

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: H. FUKUSHIMA, et al  
Serial No.: Not yet assigned  
Filed: August 9, 2001  
For: ROUTER DEVICE AND NETWORK SYSTEM USING THE SAME  
Group: 2661  
Examiner: B. Phunkulh

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

August 9, 2001

Sir:

The following amendments and remarks are respectfully submitted prior to the Rule 53(b) Continuation Application filed on even date.

**IN THE SPECIFICATION**

Please insert before the first line of the specification the following:

-- This is a continuation of application Serial No. 09/478,537, filed January 6, 2000; which is a continuation of application Serial No. 08/870,398, filed June 6, 1997. --

**IN THE CLAIMS**

Please cancel claims 2-25 without prejudice or disclaimer of the subject matter thereof.

**IN THE ABSTRACT**

Please replace the original Abstract with the following new Abstract.

**REMARKS**

Entry of the above amendments prior to examination is respectfully requested.

Please charge any shortage in fees due in connection with the filing of this paper, or credit any overpayment of fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (501.35380CX2).

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



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## ABSTRACT

A router device facilitates management of connection of a manager and assures communication quality of each of the connections. The router device determines a communication quality required by the communication of the packet in reference to a protocol information, an application acknowledging information and a priority information, transmits the control packet having the determined communication quality set therein to another router device contained in the same connection and further performs a traffic control (a preferential processing of a packet or the like) satisfying a communication quality indicated by the transmitted or received control packet in respect to the packet of the aforesaid connection.